

Image of single quantum dots

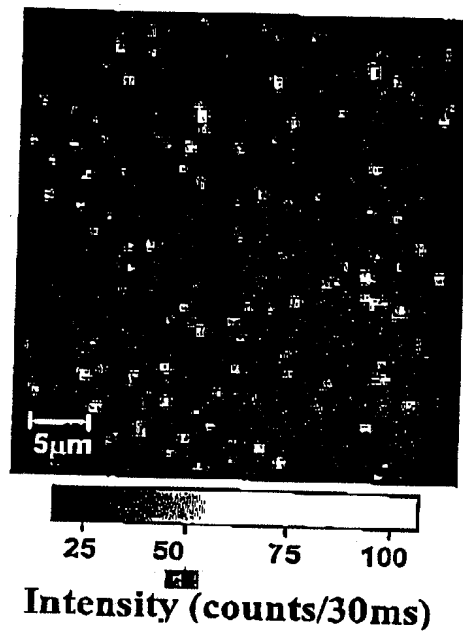


FIG. 1A

Single quantum dot spectra

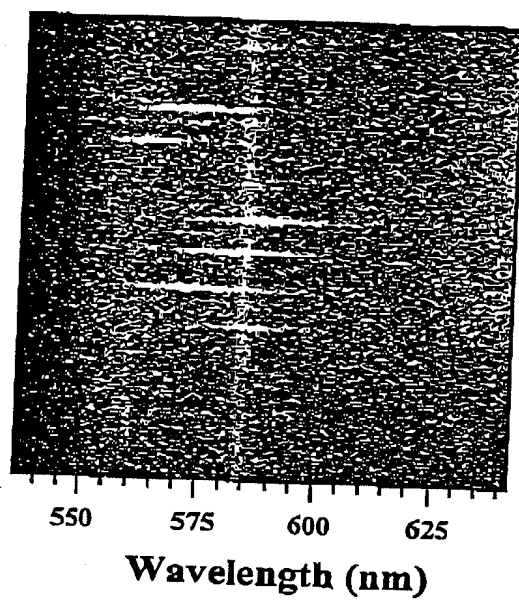


FIG. 1B

FIG. 2A



FIG. 2B

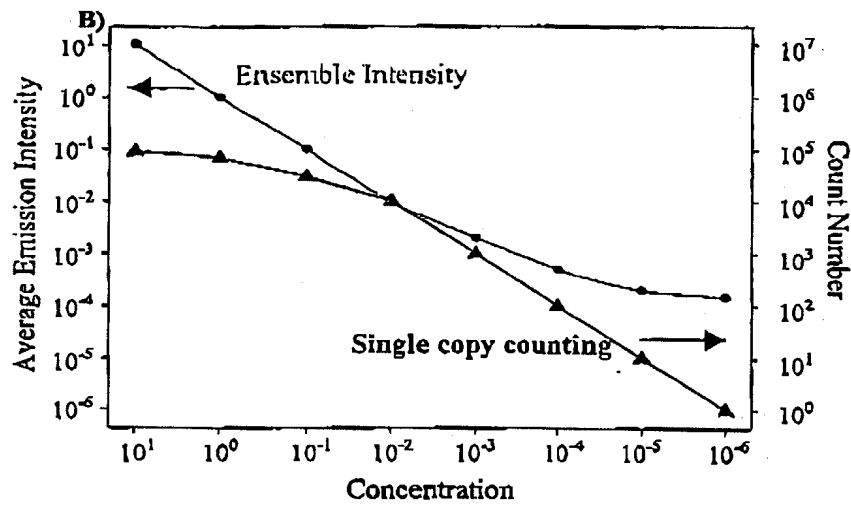


FIG. 2C

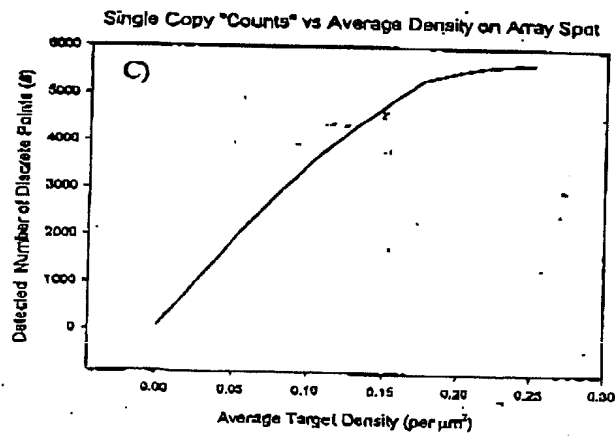


FIG. 3A

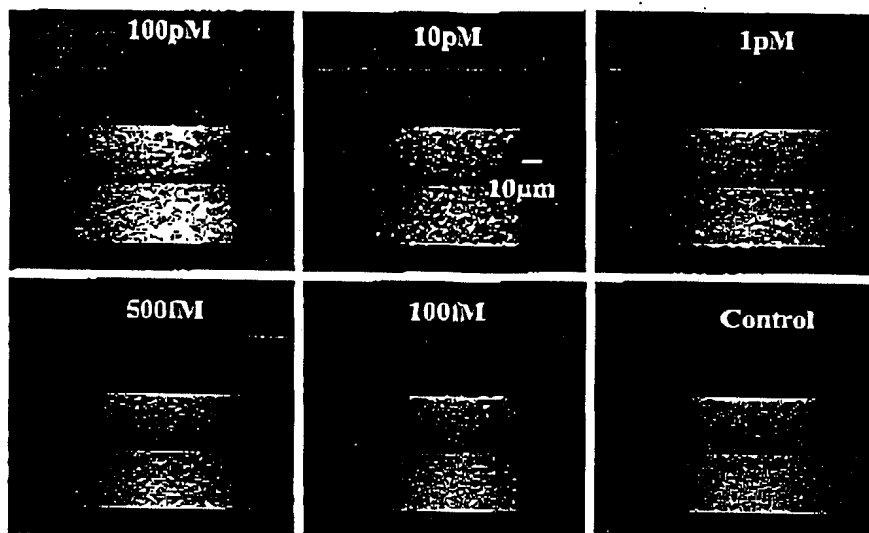


FIG. 3B

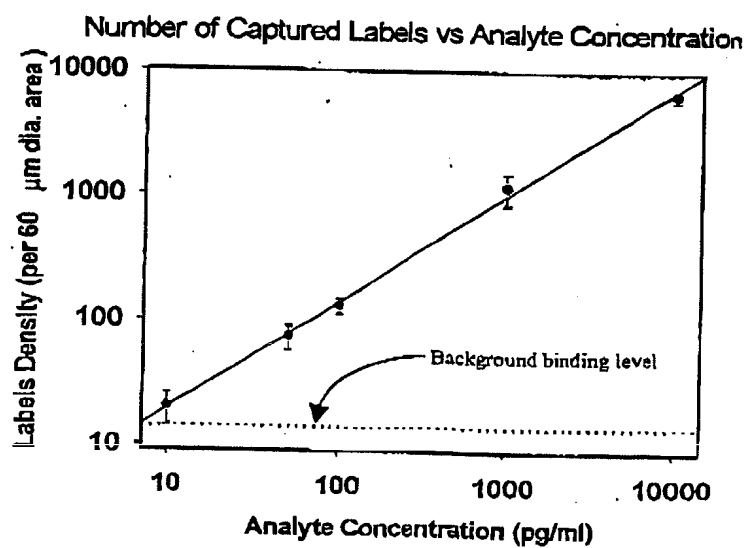


FIG. 4A

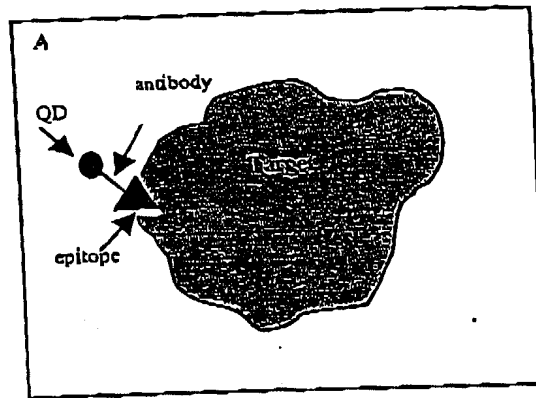
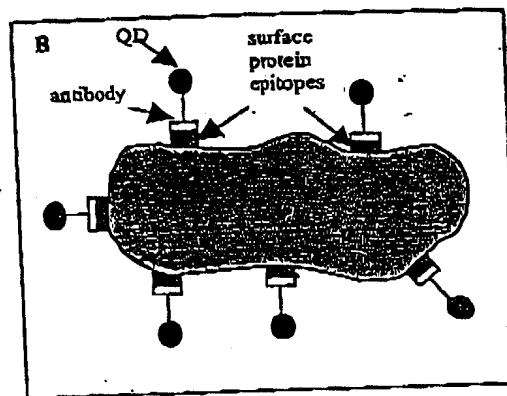


FIG. 4B



Ar laser 488 nm

dispersing prism

to power meter and mode monitor

488 nm notch filter

Tunable Filter

CCD detector

microscope objective

Microarray

FIG. 5

Spectra with High Spatial Resolution

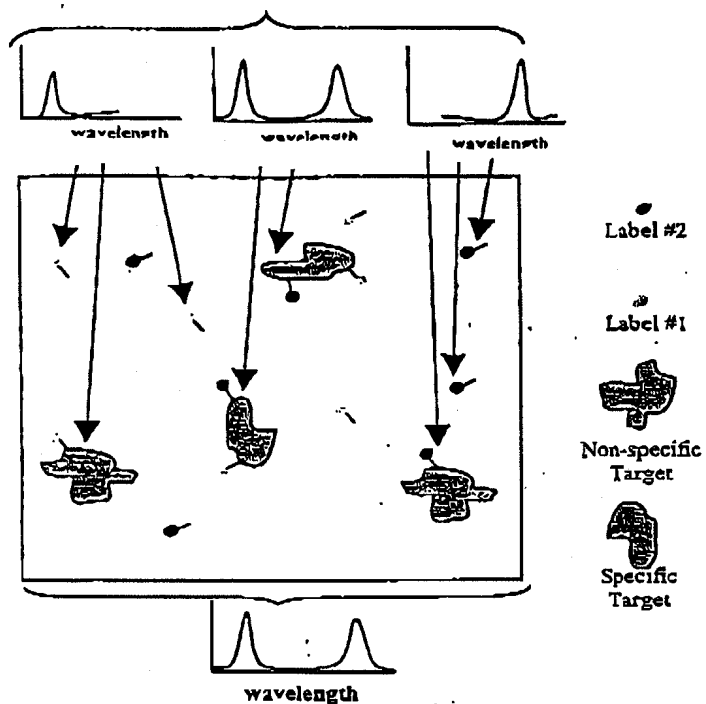


FIG. 6

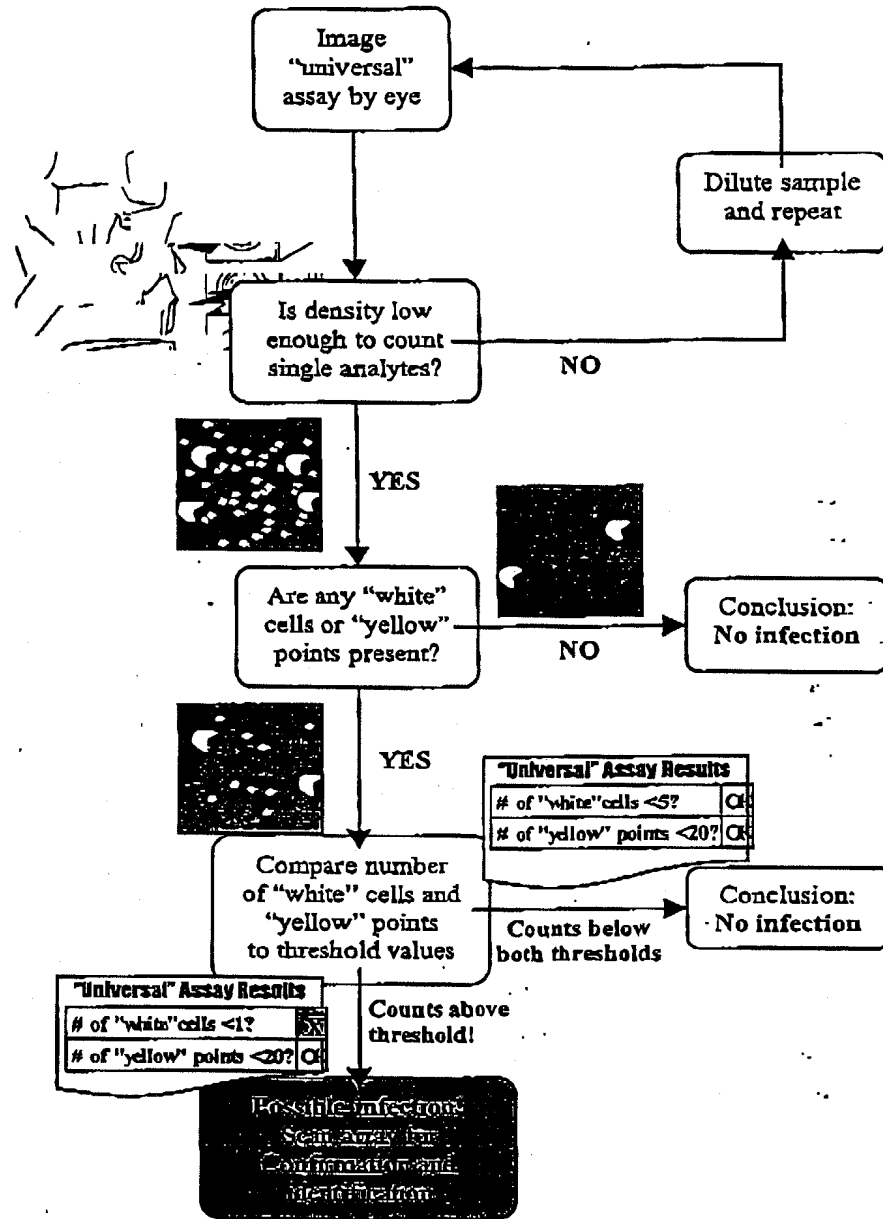


FIG. 7

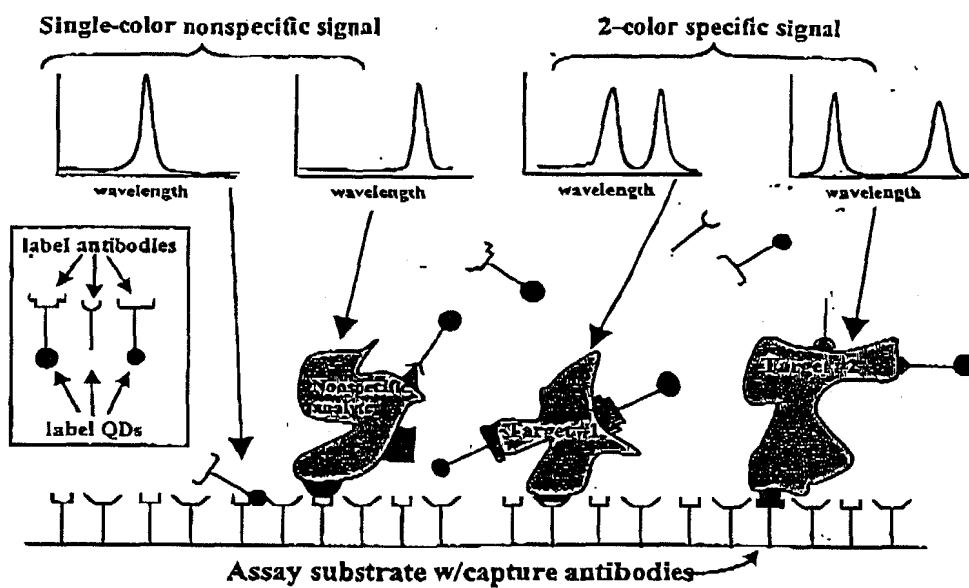


FIG. 9

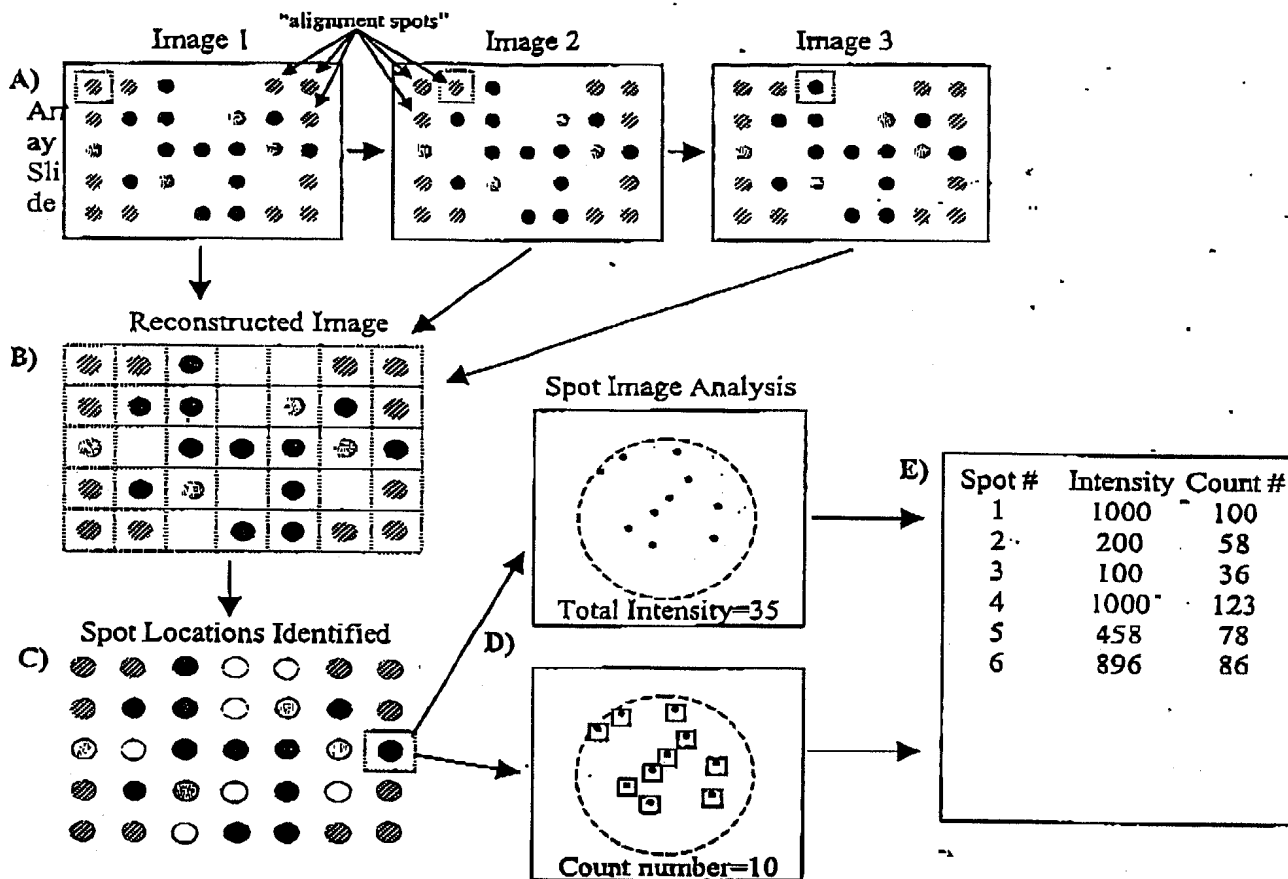


FIG. 8

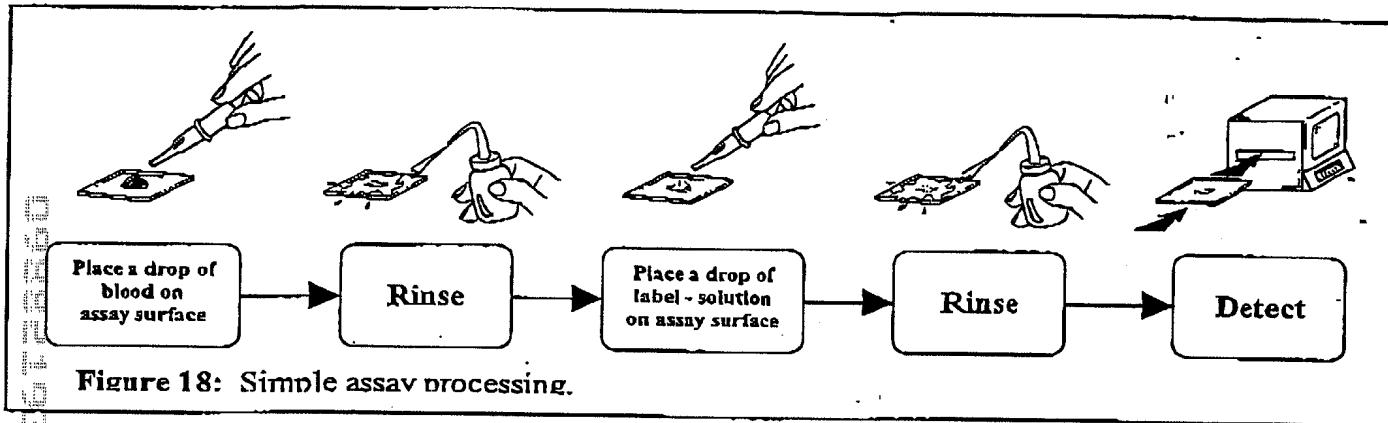
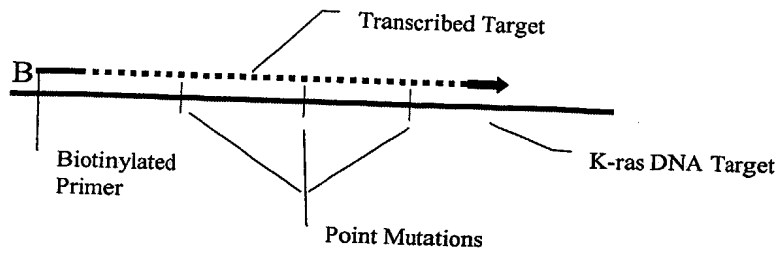
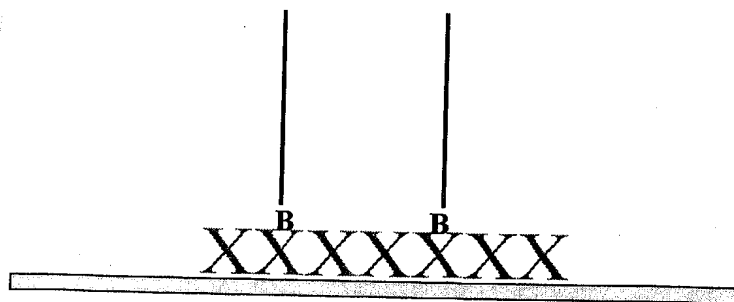


FIG. 11



FIG_12



FIG_13

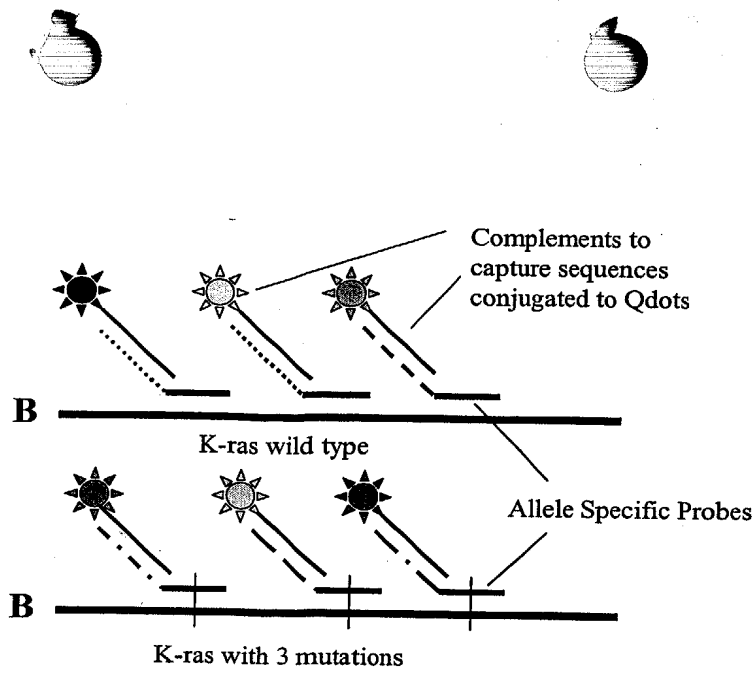


FIG-16

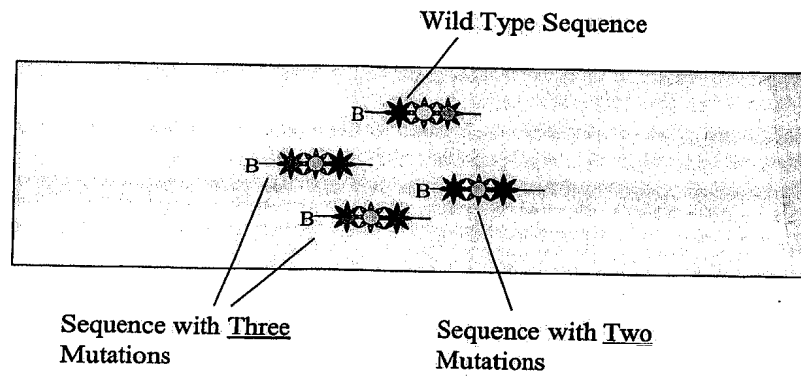


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